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AUG 1 4 2006	S (Conoral Pa	TAL LETTER tent Pending)			cket No. 167US.NP
In the Application	S: Yellen and Friedn	nan			
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/585,161	Not yet assigned	Not yet assigned	26259		
		COMMISSIONER FOR P.	ATENTS:		
Transmitted herev	vith is:				
Courtesy copy o Return postcard		ary Report on Patentabilit	ty		
in the above iden	tified application.				
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Signature of Person Mailing Correspondence

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Kathleen A. Tyrrell, Reg. No 38,350

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

LICATA, Jane, Massey Licata & Tyrrel PC 66 E. Main Street Marlton, NJ 08053 **ETATS-UNIS D'AMERIQUE**

NOTIFICATION CONCERNING TRANSMITTAL OF COPY OF INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OF THE PATENT COOPERATION TREATY)

(PCT Rule 44bis.1(c))

Date of mailing (day/month/year) 13 July 2006 (13.07.2006)

Applicant's or agent's file reference

DRE-0167

International application No. PCT/US2004/043620 International filing date (day/month/year) 29 December 2004 (29.12.2004) Priority date (day/month/year) 30 December 2003 (30.12.2003)

IMPORTANT NOTICE

Applicant

DREXEL UNIVERSITY et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Simin Baharlou

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e-mail: pt09@wipo.int

Form PCT/IB/326 (January 2004)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference DRE-0167	FOR FURTHER ACTION	See item 4 below
International application No. PCT/US2004/043620	International filing date (day/month/year) 29 December 2004 (29.12.2004)	Priority date (day/month/year) 30 December 2003 (30.12.2003)
International Patent Classification (8tl See relevant information in Form F	h edition unless older edition indicated) PCT/ISA/237	
Applicant DREXEL UNIVERSITY		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis. 1(a).		
2.	 This REPORT consists of a total of 4 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead. 		
3.	This report contains indications	relating to the following items:	
	Box No. I	Basis of the report	
	Box No. II	Priority	
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	
	Box No. IV	Lack of unity of invention	
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	
	Box No. VI	Certain documents cited	
	Box No. VII	Certain defects in the international application	
	Box No. VIII	Certain observations on the international application	
4.		mmunicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but nakes an express request under Article 23(2), before the expiration of 30 months from the priority	

	Date of issuance of this report 03 July 2006 (03.07.2006)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Simin Baharlou
Facsimile No. +41 22 338 82 70	e-mail: pt09@wipo.int

Form PCT/IB/373 (January 2004)

&, ,

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US04/43620	

Box N	lo. I Basis of this opinion				
	•				
1. With	1. With regard to the language, this opinion has been established on the basis of:				
	the international application in the language in which it was filed				
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).				
2. With inver	2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
a.	type of material				
	a sequence listing				
	table(s) related to the sequence listing.				
ъ.	format of material				
	on paper				
	in electronic form				
c.	time of filing/furnishing				
	contained in the international application as filed.				
	filed together with the international application in electronic form.				
	furnished subsequently to this Authority for the purposes of search.				
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Additi	ional comments:				
	\cdot				
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/43620

INTERNATIONAL SEARCHING	S AU THORITY	
Box No. V Reasoned statement under Rule applicability; citations and expl	e 43 bis.1(a)(i) with regard to novelty, inven anations supporting such statement	tive step or industrial
1. Statement		
Novelty (N)	Claims NONE Claims 1-8	
Inventive step (IS)	Claims 1-4 and 8 Claims 5-7	
Industrial applicability (IA)	Claims <u>1-8</u> Claims <u>NONE</u>	
Chen et al. teach the claimed invention including a of optical modulators arranged in an array, said plut arrangement operatively coupled to said optical mothereby cause said nano-particles to change optical. Claims 5-7 lack an inventive step under PCT Article Chen et al. teach the claimed invention including a of optical modulators arranged in an array, said plut arrangement operatively coupled to said optical mothereby cause said nano-particles to change optical Chen et al. does not teach that the use of magnetic be However, the use of magnetic particles on the surfacesame technique.	rality of optical modulators each including at least dulators, said control arrangement applying a stimulators, said control arrangement applying a stimulators. e 33(3) as being obvious over Chen et al. (2004/01 method of fabricating a programmable mask, where ality of optical modulators each including at least dulators, said control arrangement applying a stimulators, said control arrangement applying a stimulators each including at least dulators, said control arrangement applying a stimulators.	one nano-particle; and a control alus to said nano-particles to 50865). ein the mask comprises a plurality one nano-particle; and a control alus to said nano-particles to 5-7.
Claims 1-8 meet the criteria set out in PCT Article 3 be made or used in industry.	3(4), and thus have industrial applicability because	e the subject matter claimed can
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Form PCT/ISA/237 (Box No. V) (April 2005)